

## M 6.4, 8 km SE of Canill, Guatemala

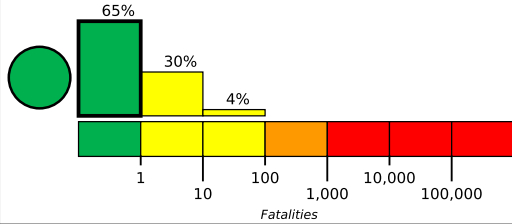
Origin Time: 2023-05-17 23:01:59 UTC (Wed 17:01:59 local)  
Location: 15.1066° N 90.8052° W Depth: 252.0 km

Created: 3 weeks, 4 days after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

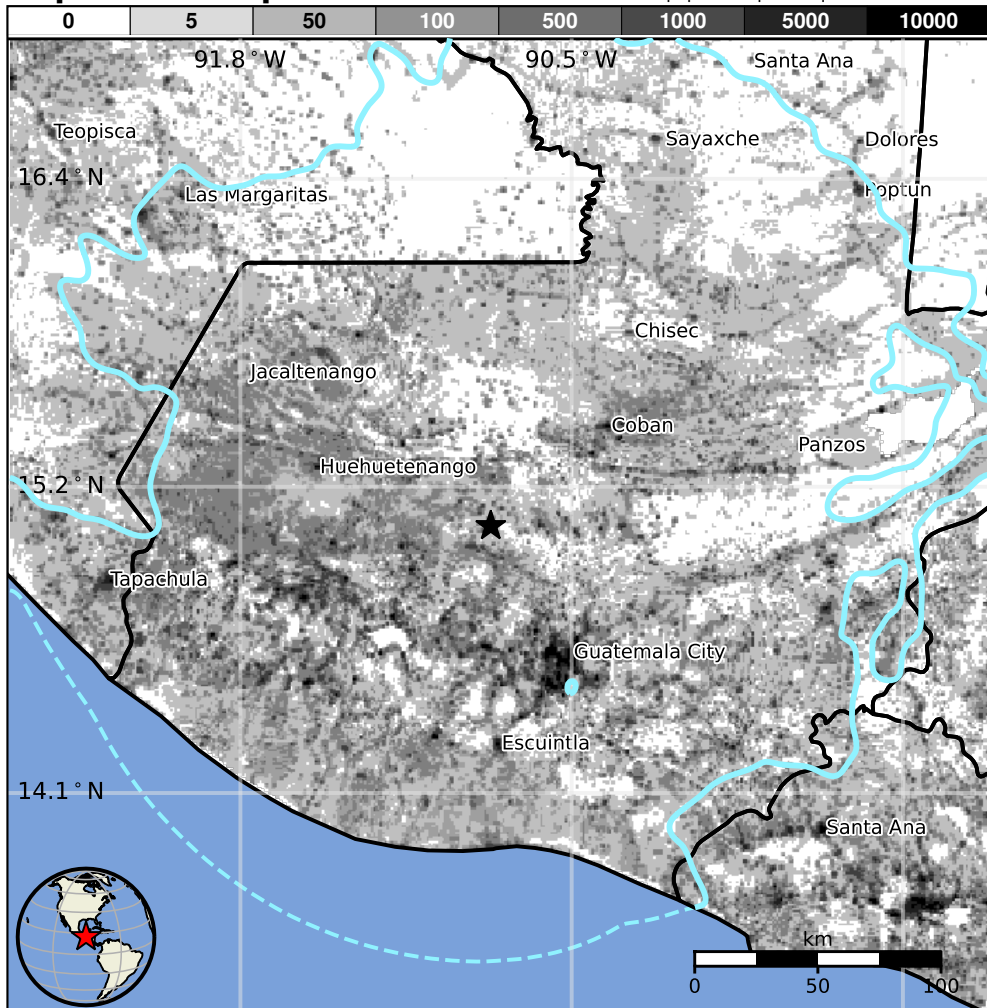


### Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) |                       | —*       | 5,693k* | 19,028k | 0        | 0        | 0           | 0          | 0        | 0        |
|---|-----------------------|----------|---------|---------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY   |                       | I        | II-III  | IV      | V        | VI       | VII         | VIII       | IX       | X+       |
| PERCEIVED SHAKING                       |                       | Not felt | Weak    | Light   | Moderate | Strong   | Very Strong | Severe     | Violent  | Extreme  |
| POTENTIAL DAMAGE                        | Resistant Structures  | None     | None    | None    | V. Light | Light    | Moderate    | Mod./Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | None     | None    | None    | Light    | Moderate | Mod./Heavy  | Heavy      | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

### Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2001-02-17 | 234        | 4.1  | V(2,250k)  | 1              |
| 1975-11-05 | 293        | 5.0  | VI(21k)    | 1              |
| 1976-02-04 | 179        | 7.5  | IX(80k)    | 23k            |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

| MMI | City                  | Population  |
|-----|-----------------------|-------------|
| IV  | Santa Cruz del Quiche | 24k         |
| IV  | San Juan Chamelco     | 12k         |
| IV  | Santa Cruz Verapaz    | 6k          |
| IV  | Salama                | 40k         |
| IV  | Joyabaj               | 13k         |
| IV  | Comalapa              | 21k         |
| IV  | Quetzaltenango        | 132k        |
| IV  | <b>Guatemala City</b> | <b>995k</b> |
| III | <b>Santa Ana</b>      | <b>177k</b> |
| III | Santa Tecla           | 125k        |
| III | San Salvador          | 526k        |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000kcnb#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000kcnb